



Attorney Docket No. SIC-98-040

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: MOTION SENSOR FOR USE WITH A BICYCLE SPROCKET ASSEMBLY

the specification of which \_\_\_\_\_ is attached hereto or XX was filed on December 18, 1998  
as Application Serial No. 09/216,088 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.


Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _____ No _____
			Yes _____ No _____

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing	Status
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

Full Name of Inventor 1	Last Name FUKUDA	First Name MASAHIKO	Middle Name or Initial .	
Residence & Citizenship	City Amagasaki-shi	State/Foreign Country Hyogo/Japan	Country of Citizenship Japan	
Post Office Address	Post Office Address 33-2, Mukonosho 2-chome	City Amagasaki-shi	State/Country Hyogo/Japan	Zip Code
Full Name of Inventor 2	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code
Full Name of Inventor 3	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  MASAHIKO FUKUDA	Signature of Inventor 2	Signature of Inventor 3
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Attorney Docket No. SIC-98-040

**POWER OF ATTORNEY BY ASSIGNEE**

Shimano, Inc. is the Assignee of the invention entitled: \_\_\_\_\_

MOTION SENSOR FOR USE WITH A BICYCLE SPROCKET ASSEMBLY,  
the specification of which \_\_\_\_\_ is attached hereto or XX was filed on December 18, 1998  
as Application No. 09/216,088

Assignee hereby appoints the following attorney to prosecute this application and transact  
all business in the Patent and Trademark Office connected therewith:

JAMES A. DELAND  
Reg. No. 31,242

Direct Correspondence to:

JAMES A. DELAND  
DELAND LAW OFFICE  
2010 Crow Canyon Place, Suite 100  
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(925) 803-9980



SHIMANO, INC.

Date: Feb. 15, 1999

By: Kozo Kitagawa  
(Signature)

Name: KOZO KITAGAWA  
Title: Assistant Director, Patent and Trademark Department



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 20, 1999

PTAS

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/02/1999

REEL/FRAME: 9788/0330  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
FUKUDA, MASAHIKO

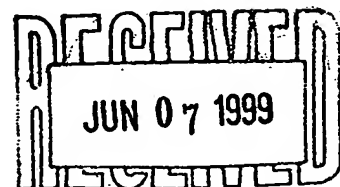
DOC DATE: 02/15/1999

ASSIGNEE:  
SHIMANO, INC.  
77, OIMATSUCHO 3 CHO, SAKAI-SHI  
OSAKA, JAPAN

SERIAL NUMBER: 09216088  
PATENT NUMBER:

FILING DATE: 12/18/1998  
ISSUE DATE:

LAWAN FLETCHER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



ASSIGNMENT OF PATENT APPLICATION

WHEREAS, MASAHIKO FUKUDA of 33-2, Mukonosho 2-chome, Amagasaki-shi, Hyogo, Japan hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: MOTION SENSOR FOR USE WITH A BICYCLE SPROCKET ASSEMBLY

Date of execution of Declaration: February 15, 1999

Filing date: December 18, 1998

Serial No.: 09/216,088; and

WHEREAS, Shimano, Inc., a Japanese corporation, located at 77, Oimatsucho 3 cho, Sakai-shi, Osaka, Japan, hereinafter referred to as "Assignee," is desirous of acquiring Assignor's interest in the invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred; and by these presents does sell, assign and transfer to Assignee, and to Assignee's successors and assigns, all of Assignor's right title and interest in and to the invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by Assignee as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or in Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Masahiko Fukuda  
MASAHIKO FUKUDA

Date: February 15, 1999